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(54) Switched antenna diversity transmission method and system using ARQ techniques

(57) The present invention is an improved switched antenna diversity transmission system (50) for use with an ARQ error protection protocol. The transmitter of the present invention includes an error detection encoder (62) for encoding information packets (from 60) with an error detection code, a modulator (64) for modulating the encoded information packets, and a first antenna (TA<sub>1</sub>) for transmitting the modulated information packets

over a first forward channel of a wireless communication medium to a receiver. The transmitter further includes a switch (66) for switching from the first antenna to a second antenna (--- TA<sub>M</sub>) for transmitting the information packets over a second forward channel of a wireless communication medium in response to a negative acknowledgment from the receiver transmitted over a feedback channel (91) of the wireless communication medium.

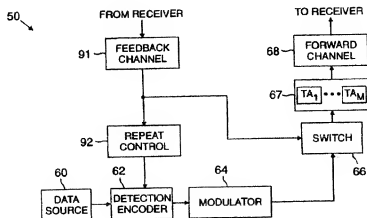


FIG. 1A



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Place of search BERLIN		Date of completion of the search 8 August 2000	Examiner Martínez Martínez, V
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EPO FORM 150 (3-95) (P4/C01)

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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